

759,157

(FILE 'HOME' ENTERED AT 09:57:07 ON 18 MAR 2006)

FILE 'CAPLUS' ENTERED AT 09:57:57 ON 18 MAR 2006

L1 5892 S 25134-01-4##/RN  
L2 8 S L1(5A) (HYDROXYL OR OH)  
S EP/PCT

FILE 'REGISTRY' ENTERED AT 10:01:40 ON 18 MAR 2006

L3 48408 S EP/PCT

FILE 'CAPLUS' ENTERED AT 10:01:41 ON 18 MAR 2006

L4 74231 S L3  
L5 36227 S (1675-54-3# OR 25085-99-8# OR 25068-38-6#)/RN  
L6 182926 S (EPOX!?(3A) (RESIN### OR NOVOLA!#)) OR DIEPOX!### OR POLYEPOX!  
L7 392 S L1 AND (L4 OR L5 OR L6)  
L8 122450 S ((CURING OR HARDENING OR CROSSLINKING OR (CROSS(W)LINKING)) (W  
L9 1 S (L1(5A)L8) AND (L3 OR L4 OR L5)  
L10 1167902 S SEMICONDUCTOR# OR (SEMI(W)CONDUCTOR#) OR ELECTRONIC# OR DIELE  
L11 66 S L7 AND L10

FILE 'STNGUIDE' ENTERED AT 10:09:44 ON 18 MAR 2006

FILE 'CAPLUS' ENTERED AT 10:09:48 ON 18 MAR 2006

FILE 'STNGUIDE' ENTERED AT 10:10:15 ON 18 MAR 2006  
SET SMA OFF

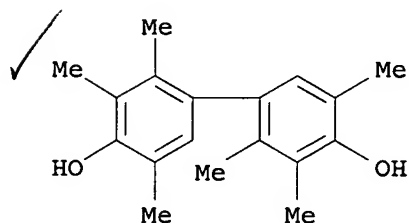
FILE 'CAPLUS' ENTERED AT 10:32:00 ON 18 MAR 2006

SEL RAN.CAPLUS(3) L11 35  
SET SMA ON

L12 1 S 1998:546311/AN

FILE 'STNGUIDE' ENTERED AT 10:40:37 ON 18 MAR 2006

RN 19956-76-4 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN [1,1'-Biphenyl]-4,4'-diol, 2,2',3,3',5,5'-hexamethyl- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 4,4'-Biphenyldiol, 2,2',3,3',5,5'-hexamethyl- (8CI)  
 OTHER NAMES:  
 CN 2,2',3,3',5,5'-Hexamethyl-[1,1'-biphenyl]-4,4'-diol  
 FS 3D CONCORD  
 DR 136876-13-6, 99932-49-7  
 MF C18 H22 O2  
 CI COM  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT, CHEMCATS, IFICDB, IFIPAT, IFIUDB, SPECINFO, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)



p. 10, Syn. Ex. 1

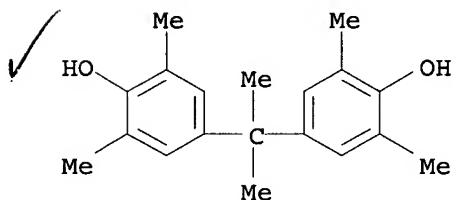
cl. 4

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

33 REFERENCES IN FILE CA (1907 TO DATE)  
 7 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 33 REFERENCES IN FILE CAPLUS (1907 TO DATE)

RN 5613-46-7 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Phenol, 4,4'-(1-methylethylidene)bis[2,6-dimethyl- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 2,6-Xylenol, 4,4'-isopropylidenedi- (7CI, 8CI)  
 OTHER NAMES:  
 CN 2,2-Bis(3,5-dimethyl-4-hydroxyphenyl)propane  
 CN 2,2-Bis(4-hydroxy-3,5-dimethylphenyl)propane  
 CN 3,3',5,5'-Tetramethyl-4,4'-dihydroxydiphenyl-2,2-propane  
 CN 4,4'-Isopropylidenebis(2,6-dimethylphenol)  
 CN 4,4'-Isopropylidenedi-2,6-xyleneol  
 CN Bisxylenol A  
 CN NSC 73730  
 CN Tetramethylbisphenol A  
 FS 3D CONCORD  
 DR 790150-84-4, 56345-14-3, 50984-82-2  
 MF C19 H24 O2  
 CI COM  
 LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,  
 CHEMLIST, CSChem, IFICDB, IFIPAT, IFIUDb, SPECINFO, TOXCENTER, USPAT2,  
 USPATFULL, VTB  
 (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*, NDSL\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

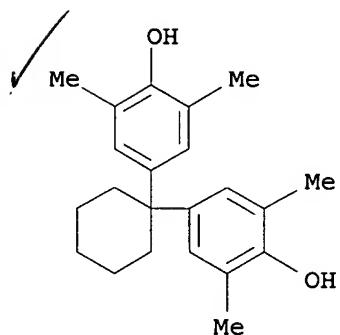
p. 15, Syn Ex. 4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

178 REFERENCES IN FILE CA (1907 TO DATE)  
 27 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 178 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

RN 30560-61-3 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Phenol, 4,4'-cyclohexylidenebis[2,6-dimethyl- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 2,6-Xylenol, 4,4'-cyclohexylidenedi- (8CI)  
OTHER NAMES:  
CN 1,1-Bis(3,5-dimethyl-4-hydroxyphenyl)cyclohexane  
CN 1,1-Bis(4-hydroxy-3,5-dimethylphenyl)cyclohexane  
FS 3D CONCORD  
MF C22 H28 O2  
CI COM  
LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT, CHEMCATS, TOXCENTER,  
USPAT2, USPATFULL  
(\*File contains numerically searchable property data)

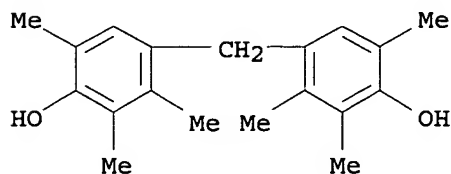


p.16, Syn Ex 5

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

15 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
15 REFERENCES IN FILE CAPLUS (1907 TO DATE)

RN 29366-02-7 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Phenol, 4,4'-methylenebis[2,3,6-trimethyl- (8CI, 9CI) (CA INDEX  
NAME)  
OTHER NAMES:  
CN 2,2',3,3',5,5'-Hexamethyl-4,4'-dihydroxydiphenylmethane  
FS 3D CONCORD  
MF C19 H24 O2  
CI COM  
LC STN Files: BEILSTEIN\*, CA, CAPLUS, SPECINFO, USPATFULL  
(\*File contains numerically searchable property data)

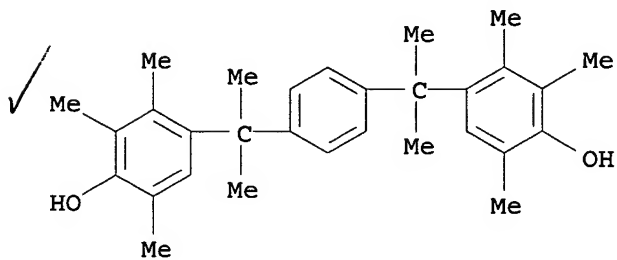


p. 17, Syn Ex 6

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

7 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

RN 192063-19-7 REGISTRY  
ED Entered STN: 01 Aug 1997  
CN Phenol, 4,4'-[1,4-phenylenebis(1-methylethylidene)]bis[2,3,6-trimethyl-  
(9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C30 H38 O2  
CI COM  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

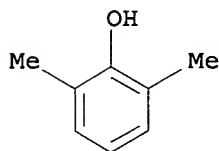


p. 18, Syn Ex 7

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

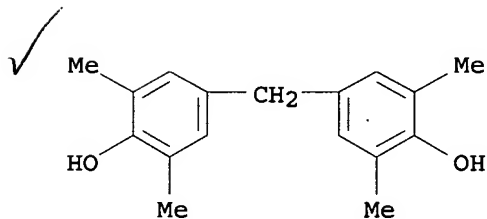
RN 576-26-1 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Phenol, 2,6-dimethyl- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 2,6-Xylenol (8CI)  
 OTHER NAMES:  
 CN 1-Hydroxy-2,6-dimethylbenzene  
 CN 2,6-Dimethylphenol  
 CN NSC 2123  
 FS 3D CONCORD  
 DR 28449-96-9, 50356-22-4  
 MF C8 H10 O  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA,  
 CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN,  
 CSCHM, CSNB, DDFU, DETHERM\*, DIPPR\*, DRUGU, EMBASE, HSDB\*, IFICDB,  
 IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA,  
 PROMT, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USPAT2,  
 USPATFULL, VTB  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4871 REFERENCES IN FILE CA (1907 TO DATE)  
 146 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 4879 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 16 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

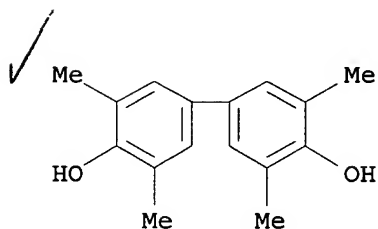
RN 5384-21-4 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Phenol, 4,4'-methylenebis[2,6-dimethyl- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 2,6-Xylenol, 4,4'-methylenedi- (6CI, 7CI, 8CI)  
 OTHER NAMES:  
 CN 3,3',5,5'-Tetramethyl-4,4'-dihydroxydiphenylmethane  
 CN 4,4'-Dihydroxy-3,3',5,5'-tetramethyldiphenylmethane  
 CN 4,4'-Methylenebis(2,6-dimethylphenol)  
 CN 4,4'-Methylenebis[2,6-xyleneol]  
 CN 4,4'-Methylenedi-2,6-xyleneol  
 CN Bis(3,5-dimethyl-4-hydroxyphenyl)methane  
 CN Bis(4-hydroxy-3,5-dimethylphenyl)methane  
 CN Desoxon M  
 CN NSC 128403  
 CN TMBPF  
 FS 3D CONCORD  
 MF C17 H20 O2  
 CI COM  
 LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,  
 CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, IFICDB, IFIPAT, IFIUDB, MSDS-OHS,  
 SPECINFO, TOXCENTER, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

174 REFERENCES IN FILE CA (1907 TO DATE)  
 11 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 174 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 10 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

RN 2417-04-1 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN [1,1'-Biphenyl]-4,4'-diol, 3,3',5,5'-tetramethyl- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 4,4'-Bi-2,6-xyleneol (6CI, 7CI)  
 CN 4,4'-Biphenyldiol, 3,3',5,5'-tetramethyl- (8CI)  
 OTHER NAMES:  
 CN 2,2',6,6'-Tetramethyl-p,p'-biphenol  
 CN 2,2',6,6'-Tetramethylbiphenol  
 CN 3,3',5,5'-Tetramethyl-1,1'-biphenyl-4,4'-diol  
 CN 3,3',5,5'-Tetramethyl-4,4'-dihydroxybiphenyl  
 CN 3,3',5,5'-Tetramethylbisphenol  
 CN 4,4'-Dihydroxy-3,3',5,5'-tetramethylbiphenyl  
 CN NSC 128399  
 CN NSC 93821  
 CN TM-BPL  
 FS 3D CONCORD  
 MF C16 H18 O2  
 CI COM  
 LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST,  
 CSChem, IFICDB, IFIPAT, IFIUDB, SPECINFO, TOXCENTER, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: NDSL\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



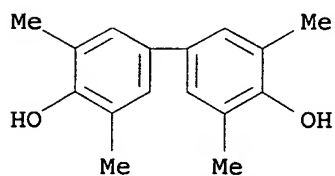
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

204 REFERENCES IN FILE CA (1907 TO DATE)  
 28 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 204 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

RN 129733-86-4 REGISTRY  
ED Entered STN: 05 Oct 1990  
CN [1,1'-Biphenyl]-4,4'-diol, 3,3',5,5'-tetramethyl-, polymer with  
2,6-dimethylphenol (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Phenol, 2,6-dimethyl-, polymer with 3,3',5,5'-tetramethyl[1,1'-biphenyl]-  
4,4'-diol (9CI)  
MF (C16 H18 O2 . C8 H10 O)x  
CI PMS  
PCT Polyether, Polyether formed, Polyother  
SR CA  
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

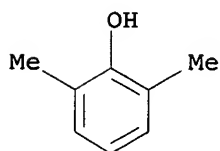
CM 1

CRN 2417-04-1  
CMF C16 H18 O2



CM 2

CRN 576-26-1  
CMF C8 H10 O

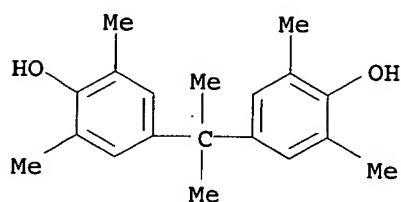


4 REFERENCES IN FILE CA (1907 TO DATE)  
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

RN 53351-11-4 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Phenol, 4,4'-(1-methylethylidene)bis[2,6-dimethyl-, polymer with  
 2,6-dimethylphenol (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Phenol, 2,6-dimethyl-, polymer with 4,4'-(1-methylethylidene)bis[2,6-  
 dimethylphenol] (9CI)  
 OTHER NAMES:  
 CN 2,2-Bis(3,5-dimethyl-4-hydroxyphenyl)propane-2,6-dimethylphenol copolymer  
 CN 2,2-Bis(4-hydroxy-3,5-dimethylphenyl)propane-2,6-dimethylphenol copolymer  
 CN 2,6-Dimethylphenol-4,4'-isopropylidenebis(2,6-dimethylphenol) copolymer  
 MF (C19 H24 O2 . C8 H10 O)x  
 CI PMS  
 PCT Polyether, Polyether formed, Polyether  
 LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

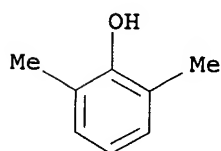
CM 1

CRN 5613-46-7  
 CMF C19 H24 O2



CM 2

CRN 576-26-1  
 CMF C8 H10 O



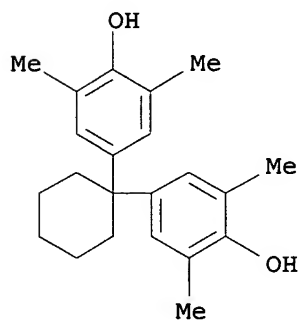
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

41 REFERENCES IN FILE CA (1907 TO DATE)  
 26 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 41 REFERENCES IN FILE CAPLUS (1907 TO DATE)

RN 581075-35-6 REGISTRY  
ED Entered STN: 08 Sep 2003  
CN Phenol, 4,4'-cyclohexylidenebis[2,6-dimethyl-, polymer with  
2,6-dimethylphenol (9CI) (CA INDEX NAME)  
MF (C22 H28 O2 . C8 H10 O)x  
CI PMS  
PCT Polyether, Polyether formed, Polyother  
SR CA  
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

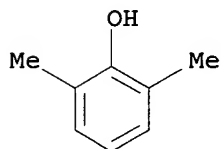
CM 1

CRN 30560-61-3  
CMF C22 H28 O2



CM 2

CRN 576-26-1  
CMF C8 H10 O



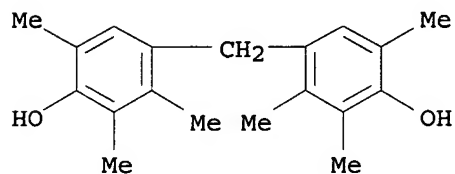
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

5 REFERENCES IN FILE CA (1907 TO DATE)  
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

RN 581075-36-7 REGISTRY  
ED Entered STN: 08 Sep 2003  
CN Phenol, 4,4'-methylenebis[2,3,6-trimethyl-, polymer with  
2,6-dimethylphenol (9CI) (CA INDEX NAME)  
MF (C19 H24 O2 . C8 H10 O)x  
CI PMS  
PCT Polyether, Polyether formed, Polyother  
SR CA  
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

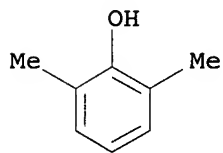
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CRN 29366-02-7  
CMF C19 H24 O2



CM 2

CRN 576-26-1  
CMF C8 H10 O



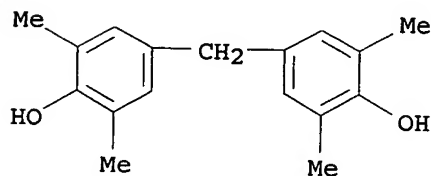
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

5 REFERENCES IN FILE CA (1907 TO DATE)  
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

RN 98911-82-1 REGISTRY  
 ED Entered STN: 09 Nov 1985  
 CN Phenol, 4,4'-methylenebis[2,6-dimethyl-, polymer with 2,6-dimethylphenol  
 (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Phenol, 2,6-dimethyl-, polymer with 4,4'-methylenebis[2,6-dimethylphenol]  
 (9CI)  
 OTHER NAMES:  
 CN 2,6-Dimethylphenol-4,4'-methylenebis(2,6-dimethylphenol) copolymer  
 MF (C17 H20 O2 . C8 H10 O)x  
 CI PMS  
 PCT Polyether, Polyether formed, Polyother  
 SR CA  
 LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

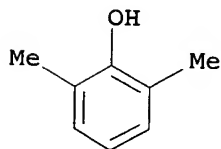
CM 1

CRN 5384-21-4  
 CMF C17 H20 O2



CM 2

CRN 576-26-1  
 CMF C8 H10 O



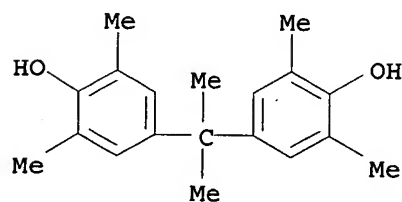
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

12 REFERENCES IN FILE CA (1907 TO DATE)  
 8 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 12 REFERENCES IN FILE CAPLUS (1907 TO DATE)

RN 610783-42-1 REGISTRY  
ED Entered STN: 30 Oct 2003  
CN Phenol, 4,4'-(1-methylethylidene)bis[2,6-dimethyl-, homopolymer (9CI) (CA  
INDEX NAME)  
MF (C19 H24 O2)x  
CI PMS  
PCT Polyether, Polyether formed  
SR CA  
LC STN Files: CA, CAPLUS

CM 1

CRN 5613-46-7  
CMF C19 H24 O2

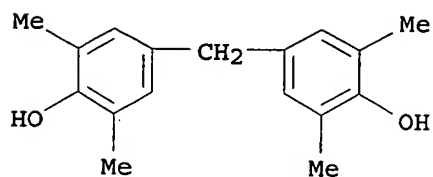


3 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

RN 610783-43-2 REGISTRY  
ED Entered STN: 30 Oct 2003  
CN Phenol, 4,4'-methylenebis[2,6-dimethyl-, homopolymer (9CI) (CA INDEX  
NAME)  
MF (C17 H20 O2)x  
CI PMS  
PCT Polyether, Polyether formed  
SR CA  
LC STN Files: CA, CAPLUS

CM 1

CRN 5384-21-4  
CMF C17 H20 O2



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

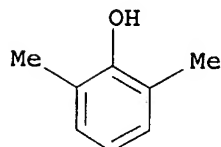
RN 25134-01-4 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Phenol, 2,6-dimethyl-, homopolymer (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 2,6-Xylenol, polymers (8CI)  
 OTHER NAMES:  
 CN 2,6-Dimethyl-1,4-phenylene ether homopolymer  
 CN 2,6-Dimethyl-1,4-phenylene oxide homopolymer  
 CN 2,6-Dimethylphenol homopolymer  
 CN 2,6-Dimethylphenol polymer  
 CN 2,6-Dimethylphenylene oxide polymer  
 CN 2,6-Xylenol homopolymer  
 CN 2,6-Xylenol polymer  
 CN P 101M  
 CN Poly(2,6-dimethyl-1,4-phenylene oxide)  
 CN Poly(2,6-dimethylphenol)  
 CN Poly(2,6-dimethylphenylene oxide)  
 CN Poly(2,6-xylenol)  
 CN Sorfix  
 MF (C8 H10 O)x  
 CI PMS, COM  
 PCT Polyether, Polyether formed  
 LC STN Files: AGRICOLA, BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS, CHEMLIST,  
 CIN, CSCHEM, IFICDB, IFIPAT, IFIUDB, MSDS-OHS, PIRA, PROMT, TOXCENTER,  
 USPAT2, USPATFULL  
 Other Sources: DSL\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*RELATED POLYMERS AVAILABLE WITH POLYLINK\*\*

CM 1

CRN 576-26-1

CMF C8 H10 O



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

5889 REFERENCES IN FILE CA (1907 TO DATE)  
 971 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 5892 REFERENCES IN FILE CAPLUS (1907 TO DATE)